## 2016 Structure Summary Report

**Overall Unit and Item Ratings** 

# **Plumas County**

### North Fork Feather River Diversion Channel Drop Structure No. 1

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	А
	А	
	Erosion / Bank Caving	А
	Revetments	А
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	A	
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	Α
	Operation & Maintenance Manual	Α

### **2016 Structure Summary Report**

**Overall Unit and Item Ratings** 

# **Plumas County (cont.)**

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
Trash Racks		N
Flap Ga		N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	Α
	Operation & Maintenance Manual	Α

### **2016 Structure Summary Report**

**Overall Unit and Item Ratings** 

# **Plumas County (cont.)**

Item Rating	verall Unit Rating Rated Item				
N	Photo Documentation	Α			
А	Vegetation & Obstructions				
А	Shoaling / Sedimentation				
Α	Erosion / Bank Caving				
Α	Revetments				
Α	Encroachments				
N	Culverts: Inlets / Outlets				
N	Culverts: Breaks / Holes / Cracks				
N	Metal Pipes				
N	Trash Racks				
N	Flap Gates				
N	Sluice/Slide Gates				
N	Electric Gate Operators				
N	Manual Gate Operators				
Α	Concrete Surfaces				
Α	Concrete Tilting / Settlement				
Α	Concrete Foundations				
N	Security Fencing				
N	Closure Structures				
N	Trash Rakes				
N	Other Metallic Items				
N	Monolith Joints				
Α	Safety				
Α	Operation & Maintenance Manual				

### **2016 Structure Summary Report**

**Overall Unit and Item Ratings** 

# **Plumas County (cont.)**

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	Α
	Operation & Maintenance Manual	А

## **2016 Structure Summary Report**

**Overall Unit and Item Ratings** 

# **Plumas County (cont.)**

Item Rating	Rated Item	Overall Unit Rating		
N	Photo Documentation	Α		
Α	Vegetation & Obstructions			
Α	Shoaling / Sedimentation			
Α	Erosion / Bank Caving			
Α	Revetments			
Α	Encroachments			
N	Culverts: Inlets / Outlets			
N	Culverts: Breaks / Holes / Cracks			
N	Metal Pipes			
N	Trash Racks			
N	Flap Gates			
N	Sluice/Slide Gates			
N	Electric Gate Operators			
N	Manual Gate Operators			
Α	Concrete Surfaces			
Α	Concrete Tilting / Settlement			
Α	Concrete Foundations			
N	Security Fencing			
N	Closure Structures			
N	Trash Rakes			
N	Other Metallic Items			
N	Monolith Joints			
Α	Safety			
А	Operation & Maintenance Manual			

## **2016 Structure Summary Report**

**Overall Unit and Item Ratings** 

# **Plumas County (cont.)**

Overall Unit Rating	Rated Item	Item Rating		
Α	Photo Documentation	N		
	Vegetation & Obstructions	Α		
	Shoaling / Sedimentation	Α		
	Erosion / Bank Caving			
	Revetments	Α		
	Encroachments	Α		
	Culverts: Inlets / Outlets	N		
	Culverts: Breaks / Holes / Cracks	N		
	Metal Pipes	N		
	Trash Racks	N		
	Flap Gates	N		
	Sluice/Slide Gates	N		
	Electric Gate Operators	N		
	Manual Gate Operators	N		
	Concrete Surfaces	Α		
	Concrete Tilting / Settlement	Α		
	Concrete Foundations	Α		
	Security Fencing	N		
	Closure Structures	N		
	Trash Rakes	N		
	Other Metallic Items	N		
	Monolith Joints	N		
	Safety	Α		
	Operation & Maintenance Manual	Α		

## **2016 Structure Summary Report**

**Overall Unit and Item Ratings** 

# **Plumas County (cont.)**

Item Rating	Rated Item	Overall Unit Rating		
N	Photo Documentation	Α		
Α	Vegetation & Obstructions			
Α	Shoaling / Sedimentation			
Α	Erosion / Bank Caving			
Α	Revetments			
Α	Encroachments			
N	Culverts: Inlets / Outlets			
N	Culverts: Breaks / Holes / Cracks			
N	Metal Pipes			
N	Trash Racks			
N	Flap Gates			
N	Sluice/Slide Gates			
N	Electric Gate Operators			
N	Manual Gate Operators			
Α	Concrete Surfaces			
Α	Concrete Tilting / Settlement			
Α	Concrete Foundations			
N	Security Fencing			
N	Closure Structures			
N	Trash Rakes			
N	Other Metallic Items			
N	Monolith Joints			
Α	Safety			
А	Operation & Maintenance Manual			

## **2016 Structure Summary Report**

**Overall Unit and Item Ratings** 

# **Plumas County (cont.)**

### **North Fork Feather River Diversion Structure**

verall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	N
	Trash Racks	Α
	Flap Gates	N
	Sluice/Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	Α
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	А
	Safety	Α
	Operation & Maintenance Manual	Α

## **Unit Cover Sheet**

### **2016 Structure Inspection Results**

# **Plumas County**

Structure	
North Fork Feather River Diversion Channel Drop Structure No. 1	

Structure Rating	A		
Date of Inspection	7/13/2016		
DWR Inspector	Maksim Khashchuk		
Accompanied By	Jay Pettigrew Plumas County Public Works		
	Jerry Blinn Plumas County Public Works		

## **Levee Inspection Report By Mile - Structure 2016**

# **Plumas County**

Structure		Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Char	nnel Drop Structure No. 1		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	23	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined		GPS Latitude/Longitude				
Category	Channels		Start		End	
Item	Photo Documentation		40.2992	43 °	40.299243°	
пеш	item		-121.2620	34 °	-121.262034°	
DWR ID	DWR_NA0015_57_t _ 2012_23					
Action/Comments						

Inspector Comments: Spray or remove all vegetation from the channel.



Photo 1 of 2: ST\_2016\_NA0015\_57\_23\_20160729\_00003.jpg

View of drop structure 2, looking towards drop structure 1.

LM Start	0.00	Rating **	N	Issue No.	23 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2: ST\_2016\_NA0015\_57\_23\_20160729\_00002.jpg



View of drop structure 1, looking towards the North Fork Feather River.

LM Start	0.00	Rating **	Α	Issue No.		1	
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	Lined	GPS La	titud	e/Longitude	
Calegory	Channels			Start		End	
Item	Vegetatio	n & Obstruction	ons	40.2992	43 °	40.299243	0
пеш				-121.2620	34 °	-121.262034	0
DWR ID	DWR_NA0	015_57_t _ 201	2_1				

Action/Comments

Inspector Comments: All vegetation needs to be removed from the drop structure before winter.

No Photos

\* Location

LS: Land Side

WS: Water Side

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 1		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Cotogony					le/Longitude		
Calegory	Channels	nnels Start End				End	
Item	Shoaling /	Sedimentation	on	40.29924	3°	40.299243°	
пеш				-121.26203	84 °	-121.262034°	
DWR ID	DWR_NA0	015_57_t _ 201	2_2			·	
	Action/Comments						

No Photos

Inspector Comments: There is no shoaling or sedimentation present.

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	_ined	GPS La	atitud	e/Longitude	
Calegory	Channels		Start			End	
Item	Erosion /	Bank Caving		40.2992	43 °	40.299243	0
пеш				-121.2620	34 °	-121.262034	0
DWR ID	DWR_NA0	015_57_t _ 201	2_3				
		Action/	Comme	nts			

No Photos

Inspector Comments: There is no erosion activity present.

LM Start	0.00	Rating **	Α	Issue No.	4	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels	Channels Start Start				End
Item	Revetmer	nts		40.2992	43°	40.299243 °
пеш				-121.2620	34°	-121.262034 °
DWR ID	DWR_NA0	015_57_t _ 201	2_4			
	Action/Comments					

Inspector Comments: Existing riprap protection is properly maintained.

No Photos

\* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 1		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ма	Location *			
Category						le/Longitude	
Calegory	Channels	channels			Start		
Item	Encroach	ments		40.29924	13°	40.299243	0
пеш			-121.2620				0
DWR ID	DWR_NA0	015_57_t _ 2012	2_5				
		Action/	Comme	nts			

Inspector Comments: There are no debris in the channel.

No Photos

Issue No. LM Start 0.00 Rating \*\* Ν 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Culverts: Inlets / Outlets 40.299243° 40.299243° Item -121.262034° -121.262034 ° DWR ID DWR\_NA0015\_57\_t \_ 2012\_6

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating \*\* Issue No. LM Start 0.00 7 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Culverts: Breaks / Holes / 40.299243° 40.299243° Item Cracks -121.262034° -121.262034 ° DWR\_NA0015\_57\_t \_ 2012\_7 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable

M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 1		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	8			
LM End	0.00	Issue Type +	Ma	Location *				
Category		Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start	art End			
Item	Metal Pipe	es		40.29924	3°	40.299243 °		
пеш				-121.26203	4 °	-121.262034 °		
DWR ID	DWR_NA0	015_57_t _ 201	2_8					
		A - 1' 1	<u> </u>	-1-				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Rating \*\* Issue No. LM Start 0.00 Ν Issue Type + 0.00 Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Racks 40.299243° 40.299243° Item -121.262034° -121.262034 ° DWR ID DWR\_NA0015\_57\_t \_ 2012\_9

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	N	Issue No.		10
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Flap Gate	·S		40.29924	13°	40.299243°
пеш						-121.262034°
DWR ID	DWR_NA0	015_57_t _ 201	2_10			
		A -4:	O	-1-		

Action/Comments

Inspector Comments: This item does not apply to this inspection.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure		Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Char	nnel Drop Structure No. 1		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	11		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Sluice/Slide Gates			40.29924	3°	40.299243 °	
item			-121.26203	4 °	-121.262034 °		
DWR ID DWR_NA0015_57_t _ 2012_11							
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. LM Start 0.00 Rating \*\* Ν 12 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Electric Gate Operators 40.299243° 40.299243° Item -121.262034° -121.262034 ° DWR\_NA0015\_57\_t \_ 2012\_12 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating \*\* LM Start 0.00 Ν 13 0.00 Issue Type + Ma Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Manual Gate Operators 40.299243° 40.299243° Item -121.262034° -121.262034 ° DWR\_NA0015\_57\_t \_ 2012\_13 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 1		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	14		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Concrete Surfaces			40.2992	43 °	40.299243 °	
пеш	item			-121.26203	34 °	-121.262034 °	
DWR ID DWR_NA0015_57_t _ 2012_14							
Action/Comments							

Inspector Comments: The concrete surface is weathered and rough to the touch.

Rating \*\* Issue No. LM Start 0.00 Α 15 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Tilting / Settlement 40.299243° 40.299243° Item -121.262034° -121.262034 ° DWR ID DWR\_NA0015\_57\_t \_ 2012\_15

No Photos

No Photos

Action/Comments

Inspector Comments: No areas of tilting were observed.

LM Start	0.00	Rating **	Α	Issue No.	16		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Concrete Foundations			40.2992	43°	40.299243°	
item				-121.2620	34°	-121.262034°	
DWR ID DWR_NA0015_57_t _ 2012_16					·		
Action/Comments							

Inspector Comments: There is no erosion or undermining near the

No Photos

structure.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 1		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	17		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Security Fencing			40.29924	3°	40.299243 °	
пеш	item			-121.26203	4 °	-121.262034 °	
DWR ID DWR_NA0015_57_t _ 2012_17							
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating \*\* Issue No. LM Start 0.00 Ν 18 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Closure Structures 40.299243° 40.299243° Item -121.262034° -121.262034 ° DWR ID DWR\_NA0015\_57\_t \_ 2012\_18

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating \*\* LM Start 0.00 19 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Rakes 40.299243° 40.299243° Item -121.262034° -121.262034 ° DWR\_NA0015\_57\_t \_ 2012\_19 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 1		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	20	
LM End	0.00	Issue Type +	Ма	Location *		
Cotogoni	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Item	Other Metallic Items			40.29924	3°	40.299243°
item					4 °	-121.262034°
DWR ID DWR_NA0015_57_t _ 2012_20						
			_			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating \*\* Issue No. LM Start 0.00 Ν 21 Issue Type + Ма Location \* 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Monolith Joints 40.299243° 40.299243° Item -121.262034° -121.262034 ° DWR ID DWR\_NA0015\_57\_t \_ 2012\_21

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating \*\* LM Start 0.00 22 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Safety 40.299243° 40.299243° Item -121.262034° -121.262034 ° DWR ID DWR\_NA0015\_57\_t \_ 2012\_22 Action/Comments

Inspector Comments: The county has safety procedures for working around the structure.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 1		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	24	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels	Channels			End	
Item		Operation & Maintenance Manual			43 °	40.299243 °
пеш	Manual				34 °	-121.262034 °
DWR ID	DWR ID DWR_NA0015_57_t _ 2013_24					
Action/Comments						
Inspector Comments: The county has copies of the O&M Manual in						

their office.

No Photos

## **Unit Cover Sheet**

### **2016 Structure Inspection Results**

# **Plumas County**

Structure	
North Fork Feather River Diversion Channel Drop Structure No. 2	

Structure Rating	Α
Date of Inspection	7/13/2016
DWR Inspector	Maksim Khashchuk
Accompanied By	Jay Pettigrew Plumas County Public Works
	Jerry Blinn Plumas County Public Works

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 2		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	23		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
ltom	Photo Do	Photo Documentation			70°	40.294270	0
пеш	Item			-121.258935 °		° -121.258935	
DWR ID DWR_NA0015_58_t _ 2012_23							
Action/Comments							

Inspector Comments: Spray or remove all vegetation from the channel.



View of drop structure 2, looking towards drop structure 3.

 LM Start
 0.00
 Rating \*\*
 N
 Issue No.
 23 (cont)

 LM End
 0.00
 Issue Type +
 Ma
 Location \*

Photo 2 of 2: ST\_2016\_NA0015\_58\_23\_20160729\_00002.jpg



View of drop structure 2, looking towards drop structure 1.

LM Start	0.00	Rating **	Α	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels Channels		Start		End		
Item	Vegetatio	Vegetation & Obstructions			70°	40.294270	٥
пеш				-121.2589	35 °	-121.258935	٥
DWR ID	DWR_NA0	015_58_t _ 201	2_1				

### Action/Comments

Inspector Comments: All vegetation needs to be removed from the drop structure before winter.

No Photos

\* Location

LS: Land Side

WS: Water Side

CR: Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

## **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 2		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category					End	
Item	Shoaling /	Shoaling / Sedimentation			0 °	40.294270 °	
пеш				-121.25893	5 °	-121.258935 °	
DWR ID	DWR_NA0	015_58_t _ 201	2_2				
A :: 10							

Action/Comments

Inspector Comments: There is no shoaling or sedimentation present.

No Photos

Rating \*\* Issue No. LM Start 0.00 Α 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Erosion / Bank Caving 40.294270° 40.294270° Item -121.258935 ° -121.258935 ° DWR\_NA0015\_58\_t \_ 2012\_3 DWR ID

Action/Comments

Inspector Comments: There is no erosion activity present.

No Photos

Issue No. Rating \*\* LM Start 0.00 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Revetments 40.294270° 40.294270 ° Item -121.258935° -121.258935 ° DWR\_NA0015\_58\_t \_ 2012\_4 DWR ID Action/Comments

Inspector Comments: Existing riprap protection is properly maintained.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 2		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	5		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Encroach	Encroachments			° 0	40.294270 °	
пеш	item			-121.25893	5 °	-121.258935 °	
DWR ID	DWR_NA0	015_58_t _ 201	2_5				
Action/Comments							

Inspector Comments: There are no debris in the channel.

No Photos

Issue No. LM Start 0.00 Rating \*\* Ν Issue Type + Ма Location \* 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Culverts: Inlets / Outlets 40.294270° 40.294270° Item -121.258935 ° -121.258935 ° DWR ID DWR\_NA0015\_58\_t \_ 2012\_6

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating \*\* Issue No. LM Start 0.00 7 0.00 Issue Type + Location \* LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Culverts: Breaks / Holes / 40.294270° 40.294270° Item Cracks -121.258935° -121.258935 ° DWR\_NA0015\_58\_t \_ 2012\_7 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 2		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	8		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Metal Pipe	letal Pipes			o°	40.294270 °	
пеш				-121.25893	5°	-121.258935 °	
DWR ID	/R ID DWR_NA0015_58_t _ 2012_8						
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating \*\* Issue No. LM Start 0.00 Ν 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Racks 40.294270° 40.294270° Item -121.258935 ° -121.258935 ° DWR NA0015 58 t 2012 9 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating \*\* LM Start 0.00 Ν 10 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Flap Gates 40.294270° 40.294270° Item -121.258935° -121.258935 ° DWR\_NA0015\_58\_t \_ 2012\_10 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 2		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	11		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels	Start		End			
Item	Sluice/Slic	Sluice/Slide Gates			0 °	40.294270 °	
пеш	em			-121.25893	5 °	-121.258935 °	
DWR ID	DWR_NA0	015_58_t _ 201	2_11				
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. LM Start 0.00 Rating \*\* Ν 12 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Electric Gate Operators 40.294270° 40.294270° Item -121.258935 ° -121.258935 ° DWR\_NA0015\_58\_t \_ 2012\_12 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating \*\* LM Start 0.00 13 0.00 Issue Type + Ma Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Manual Gate Operators 40.294270° 40.294270° Item -121.258935 ° -121.258935 ° DWR\_NA0015\_58\_t \_ 2012\_13 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable

M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 2		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		14
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Concrete Surfaces			40.29427	o°	40.294270 °
Item				-121.25893	5 °	-121.258935 °
DWR ID	DWR_NA0	015_58_t _ 201	2_14			
			_			

Action/Comments

Inspector Comments: The concrete surface is weathered and rough to the touch.

No Photos

Issue No. LM Start 0.00 Rating \*\* Α 15 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Tilting / Settlement 40.294270° 40.294270° Item -121.258935 ° -121.258935 ° DWR\_NA0015\_58\_t \_ 2012\_15 DWR ID

Action/Comments

Inspector Comments: No areas of tilting were observed.

No Photos

Rating \*\* Issue No. LM Start 0.00 16 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Concrete Foundations 40.294270° 40.294270 ° Item -121.258935 ° -121.258935 ° DWR\_NA0015\_58\_t \_ 2015\_16 DWR ID Action/Comments

Inspector Comments: There is no erosion or undermining near the structure.

No Photos

\* Location LS : Land Side WS : Water Side CR : Crown

A · Acce

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 2		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		17	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures	GPS Latitude/Longitude					
Calegory	Channels			Start		End	
Item	Security Fencing			40.29427	o°	40.294270 °	
Item				-121.25893	5°	-121.258935 °	
DWR ID	DWR_NA0	DWR_NA0015_58_t _ 2012_17					
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

Rating \*\* Issue No. LM Start 0.00 Ν 18 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Closure Structures 40.294270° 40.294270°

-121.258935 °

-121.258935 °

DWR ID DWR\_NA0015\_58\_t \_ 2012\_18

Item

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Issue No. Rating \*\* LM Start 0.00 19 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Rakes 40.294270° 40.294270° Item -121.258935° -121.258935 ° DWR\_NA0015\_58\_t \_ 2012\_19 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable

M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 2		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Other Metallic Items			40.29427	o°	40.294270 °	
пеш				-121.25893	5 °	-121.258935 °	
DWR ID	DWR_NA0015_58_t _ 2012_20						
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating \*\* Issue No. LM Start 0.00 Ν 21 Issue Type + Ма Location \* 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Monolith Joints 40.294270° 40.294270° Item -121.258935 ° -121.258935 ° DWR ID DWR\_NA0015\_58\_t \_ 2012\_21

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating \*\* LM Start 0.00 22 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Safety 40.294270° 40.294270° Item -121.258935° -121.258935 ° DWR ID DWR\_NA0015\_58\_t \_ 2012\_22 Action/Comments

Inspector Comments: The county has safety procedures for working around the structure.

No Photos

\* Location LS : Land Side WS : Water Side CR : Crown

A : Accept

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 2		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		24
LM End	0.00	Issue Type +	Ма	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Item	Operation & Maintenance		40.2942	70°	40.294270 °	
пеш	Manual			-121.2589	35 °	-121.258935 °
DWR ID	DWR ID DWR_NA0015_58_t _ 2013_24					
Action/Comments						
Inspector Comments: The county has copies of the O&M Manual in						

No Photos

\* Location LS: Land Side WS: Water Side CR : Crown

their office.

\*\* Rating A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

## **Unit Cover Sheet**

### **2016 Structure Inspection Results**

# **Plumas County**

Structure
North Fork Feather River Diversion Channel Drop Structure No. 3

Structure Rating	A
Date of Inspection	7/13/2016
DWR Inspector	Maksim Khashchuk
Accompanied By	Jay Pettigrew Plumas County Public Works
	Jerry Blinn Plumas County Public Works

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 3		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		23
LM End		Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Itom	Photo Documentation			40.2897	67°	40.289767°
Item				-121.256375 °		-121.256375 °
DWR ID	DWR_NA0015_59_t _ 2012_23					
Action/Comments						

Inspector Comments: Spray or remove all vegetation from the channel.



Photo 1 of 2: ST\_2016\_NA0015\_59\_23\_20160729\_00003.jpg

View of drop structure 3, looking towards drop structure 4.

 LM Start
 0.00
 Rating \*\*
 N
 Issue No.
 23 (cont)

 LM End
 Issue Type +
 Ma
 Location \*

Photo 2 of 2: ST\_2016\_NA0015\_59\_23\_20160729\_00002.jpg



View of drop structure 3, looking towards drop structure 2.

LM Start	0.00	Rating **	Α	Issue No.		1	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Category				Start		End	
Item	Vegetation & Obstructions			40.2897	67°	40.289767	٥
item				-121.2563	75 °	-121.256375	٥
DWR ID	DWR_NA0	015_59_t _ 201	2_1				

Action/Comments

Inspector Comments: All vegetation needs to be removed from the drop structure before winter.

No Photos

\* Location LS: Land Side WS: Water Side CR: Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 3		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Category		ructures & Concrete Lined			atitud	le/Longitude	
Calegory	Channels	Channels				End	
Item	Shoaling /	Sedimentation	n	40.2897	67°	40.289767 °	
пеш					75 °	-121.256375 °	
DWR ID	DWR_NA0	015_59_t _ 201:	2_2				
	Action/Comments						

No Photos

Action/Comments Inspector Comments: There is no shoaling or sedimentation present.

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End		
Item	Erosion /	Bank Caving		40.28976	7°	40.289767	0
пеш				-121.25637	5 °	-121.256375	0
DWR ID	DWR_NA0	015_59_t _ 201	2_3				
	Action/Comments						

No Photos

Inspector Comments: There is no erosion activity present.

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels			Start		End	
Item	Revetmer	nts		40.2897	67°	40.289767 °	
item				-121.2563	75 °	-121.256375 °	
DWR ID	DWR_NA0	015_59_t _ 201:	2_4				
Action/Comments							

Inspector Comments: Existing riprap protection is properly maintained.

No Photos

\* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 3		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		5
LM End	0.00	Issue Type +	Ма	Location *		
Category	Structures & Concrete Lined		GPS Latitude/Longitude		e/Longitude	
Calegory	Channels	annels		Start		End
Item	Encroach	ments		40.28976	7°	40.289767 °
пеш				-121.25637	5°	-121.256375 °
DWR ID	DWR_NA0	015_59_t _ 201	2_5			
		A - 1' /	<u> </u>	-1-		

Action/Comments

Inspector Comments: There are no debris in the channel.

No Photos

No Photos

Rating \*\* Issue No. LM Start 0.00 Ν Issue Type + 0.00 Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Culverts: Inlets / Outlets 40.289767° 40.289767° Item -121.256375° -121.256375 ° DWR ID DWR\_NA0015\_59\_t \_ 2012\_6

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Catagory	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	Channels		Start		End	
Item		Breaks / Hole	s/	40.2897	67°	40.289767	0
пеш	Cracks			-121.2563	75 °	-121.256375	0
DWR ID	DWR_NA0	015_59_t _ 201	2_7				
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 3		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		8		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined					GPS Latitude/Longitude		
Calegory	Channels					End		
Item	Metal Pipe	es		40.2897	67°	40.289767 °		
пеш				-121.2563	75 °	-121.256375 °		
DWR ID	DWR_NA0	015_59_t _ 201	2_8					
	Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		e/Longitude		
Calegory				Start		End	
Item	Trash Rad	cks		40.28976	67°	40.289767	0
item				-121.25637	75 °	-121.256375	0
DWR ID	DWR_NA0	015_59_t _ 201	2_9				
			_				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	N	Issue No.		10
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Flap Gate	S		40.2897	67°	40.289767°
пеш				-121.2563	75 °	-121.256375 °
DWR ID	DWR_NA0	015_59_t _ 201	2_10			·
Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

\* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

## Levee Inspection Report By Mile - Structure 2016

## **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 3		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	11		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Sluice/Slide Gates			40.28976	7°	40.289767°		
пеш				-121.25637	5°	-121.256375 °	
DWR ID	VR ID DWR_NA0015_59_t _ 2012_11						
A ation / Commonster							

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. LM Start 0.00 Rating \*\* Ν 12 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Electric Gate Operators 40.289767° 40.289767° Item -121.256375° -121.256375 ° DWR NA0015 59 t 2012 12 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating \*\* LM Start 0.00 Ν 13 0.00 Issue Type + Ma Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Manual Gate Operators 40.289767° 40.289767 ° Item -121.256375° -121.256375 ° DWR\_NA0015\_59\_t \_ 2012\_13 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable

M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 3		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	14		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Concrete Surfaces			40.28976	7 °	40.289767 °		
пеш				-121.25637	5 °	-121.256375 °	
DWR ID	WR ID DWR_NA0015_59_t _ 2012_14						
A ation / Commonster							

Action/Comments

Inspector Comments: The concrete surface is weathered and rough to the touch.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		15
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels		Start		End	
Concrete Tilting / Settlement			40.2897	67°	40.289767 °	
пеш			-121.2563	75 °	-121.256375 °	
DWR ID	DWR_NA0	015_59_t _ 201	2_15			·

Action/Comments

Inspector Comments: No areas of tilting were observed.

No Photos

Rating \*\* Issue No. LM Start 0.00 16 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Concrete Foundations 40.289767° 40.289767 ° Item -121.256375 ° -121.256375° DWR\_NA0015\_59\_t \_ 2012\_16 DWR ID Action/Comments

Inspector Comments: There is no erosion or undermining near the structure.

No Photos

\* Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 3		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	17		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Security Fencing			40.28976	7°	40.289767 °		
item				-121.25637	5°	-121.256375 °	
DWR ID	/R ID DWR_NA0015_59_t _ 2012_17						
A ation / Commonster							

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating \*\* Issue No. LM Start 0.00 Ν 18 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Closure Structures 40.289767° 40.289767° Item -121.256375° -121.256375 ° DWR ID DWR\_NA0015\_59\_t \_ 2012\_18

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating \*\* LM Start 0.00 19 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Rakes 40.289767° 40.289767 ° Item -121.256375° -121.256375 ° DWR\_NA0015\_59\_t \_ 2012\_19 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

\* Location

LS: Land Side

WS: Water Side

CR: Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 3		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	20		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Other Metallic Items		40.28976	67°	40.289767 °		
Item				-121.256375 °		° -121.256375	
DWR ID	DWR_NA0015_59_t _ 2012_20						
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating \*\* Issue No. LM Start 0.00 Ν 21 Issue Type + Ма Location \* 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Monolith Joints 40.289767° 40.289767° Item -121.256375° -121.256375 ° DWR ID DWR\_NA0015\_59\_t \_ 2012\_21

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating \*\* LM Start 0.00 22 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Safety 40.289767° 40.289767 ° Item -121.256375° -121.256375 ° DWR\_NA0015\_59\_t \_ 2012\_22 DWR ID Action/Comments

Inspector Comments: The county has safety procedures for working around the structure.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure		Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 3		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		24
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined		GPS Latitude/Longitude				
Calegory	Channels		Start		End	
Item	Operation & Maintenance		40.289767 °		40.289767 °	
пеш	Manual			-121.256375 °		-121.256375 °
DWR ID	R ID DWR_NA0015_59_t _ 2013_24					
Action/Comments						
Inspector Comments: The county has copies of the O&M Manual in						

No Photos

\* Location LS: Land Side WS: Water Side CR : Crown

their office.

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

#### Flood Control Project Maintenance

## **Unit Cover Sheet**

#### **2016 Structure Inspection Results**

# **Plumas County**

Structure
North Fork Feather River Diversion Channel Drop Structure No. 4

Structure Rating	A
Date of Inspection	7/13/2016
DWR Inspector	Maksim Khashchuk
Accompanied By	Jay Pettigrew Plumas County Public Works
	Jerry Blinn Plumas County Public Works

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 4		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	23		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Photo Documentation		40.285653°		40.285653°		
пеш				-121.253902 °		-121.253902 °	
DWR ID	DWR_NA0015_60_t _ 2012_23						
Action/Comments							

Inspector Comments: Spray or remove all vegetation from the channel.

Ма

Rating \*\*

Issue Type +

LM Start

LM End

0.00

0.00



Photo 1 of 2: ST\_2016\_NA0015\_60\_23\_20160729\_00003.jpg

View of drop structure 4, looking back at drop structure 5.

23 (cont)

Issue No.

Location \*

Photo 2 of 2: ST\_2016\_NA0015\_60\_23\_20160729\_00002.jpg



View of drop structure 4, looking back at drop structure 3.

LM Start	0.00	Rating **	Α	Issue No.		1	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Vegetation & Obstructions		40.2856	53°	40.285653	٥	
item				-121.2539	02 °	-121.253902	٥
DWR ID	DWR_NA0	015_60_t _ 201	2_1				
			_				

#### Action/Comments

Inspector Comments: All vegetation needs to be removed from the drop structure before winter.

No Photos

\* Location LS : Land Side WS : Water Side

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 4		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	2		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Shoaling / Sedimentation			40.28565	3°	40.285653	۰
пеш				-121.253902 °		-121.253902	0
DWR ID	DWR_NA0	015_60_t _ 201	2_2				
Action/Commonts							

Action/Comments Inspector Comments: There is no shoaling or sedimentation present. No Photos

Rating \*\* Issue No. LM Start 0.00 Α Issue Type + 0.00 Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Erosion / Bank Caving 40.285653° 40.285653° Item -121.253902 ° -121.253902 ° DWR ID DWR\_NA0015\_60\_t \_ 2012\_3 Action/Comments

Inspector Comments: There is no erosion activity present.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	4		
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Revetments		40.2856	53°	40.285653	0		
пеш		-121.2539	)2 °	-121.253902	0		
DWR ID	DWR_NA0015_60_t _ 2012_4						
Action/Comments							

Inspector Comments: Existing riprap protection is properly maintained.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

U : Unacceptable

M : Minimally Acceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 4		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	5		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End		
Item	Encroachments			40.28565	3°	40.285653 °	
item			-121.25390	2 °	-121.253902 °		
DWR ID	DWR_NA0	015_60_t _ 201	2_5				
Action/Comments							

Inspector Comments: There are no debris in the channel.

Rating \*\* Issue No. LM Start 0.00 Ν Issue Type + 0.00 Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Culverts: Inlets / Outlets 40.285653° 40.285653° Item -121.253902 ° -121.253902 ° DWR ID DWR\_NA0015\_60\_t \_ 2012\_6 Action/Comments

No Photos

No Photos

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	7		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Culverts: Breaks / Holes /			40.285653°		40.285653°		
Item	Cracks		-121.2539	)2 °	-121.253902 °		
DWR ID	DWR_NA0015_60_t _ 2012_7						
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

U : Unacceptable

M : Minimally Acceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 4		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	8				
LM End	0.00	Issue Type +	Ма	Location *					
Structures & Concrete Lined			GPS Latitude/Longitude						
Category	Channels			Start		End			
Item	Metal Pipes		40.285653	3°	40.285653 °				
item				-121.253902	°	-121.253902 °			
DWR ID	DWR_NA0	015_60_t _ 201	2_8						
	A = 1' = = 10 = = = = = 1 =								

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating \*\* Issue No. LM Start 0.00 Ν 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Racks 40.285653° 40.285653° Item -121.253902 ° -121.253902 ° DWR NA0015 60 t 2012 9 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating \*\* LM Start 0.00 Ν 10 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Flap Gates 40.285653° 40.285653° Item -121.253902° -121.253902 ° DWR\_NA0015\_60\_t \_ 2012\_10 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 4		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	11				
LM End	0.00	Issue Type +	Ма	Location *					
Structures & Concrete Lined			GPS Latitude/Longitude						
Category	Channels			Start		End			
Item	Sluice/Slide Gates			40.28565	3°	40.285653 °			
пеш				-121.25390	2°	-121.253902 °			
DWR ID	DWR_NA0	015_60_t _ 201	2_11						
	A 11 10								

Action/Comments

Inspector Comments: This item does not apply to this inspection.

Issue No. LM Start 0.00 Rating \*\* Ν 12 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Electric Gate Operators 40.285653° 40.285653° Item -121.253902° -121.253902 ° DWR NA0015 60 t 2012 12 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Issue No. Rating \*\* LM Start 0.00 Ν 13 0.00 Issue Type + Ma Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Manual Gate Operators 40.285653° 40.285653° Item -121.253902° -121.253902 ° DWR\_NA0015\_60\_t \_ 2012\_13 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 4		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	14		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End		
Concrete Surfaces				40.2856	53 °	40.285653 °	
пеш			-121.25390	)2 °	-121.253902 °		
DWR ID	DWR_NA0015_60_t _ 2012_14						
Action/Comments							

Inspector Comments: The concrete surface is weathered and rough to the touch.

No Photos

Rating \*\* Issue No. LM Start 0.00 Α 15 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Tilting / Settlement 40.285653° 40.285653° Item -121.253902 ° -121.253902 ° DWR\_NA0015\_60\_t \_ 2012\_15 DWR ID

Action/Comments

Inspector Comments: No areas of tilting were observed.

No Photos

Rating \*\* Issue No. LM Start 0.00 16 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Concrete Foundations 40.285653° 40.285653° Item -121.253902° -121.253902 ° DWR\_NA0015\_60\_t \_ 2012\_16 DWR ID Action/Comments

Inspector Comments: There is no erosion or undermining near the structure.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 4		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	17		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels	Channels				End	
Item	Security Fencing			40.2856	53 °	40.285653 °	
Item			-121.2539	)2 °	-121.253902 °		
DWR ID	DWR_NA0	DWR_NA0015_60_t _ 2012_17					
Action/Comments							

No Photos

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	18			
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures	GPS Latitude/Longitude						
Calegory	Channels	Start		End				
Item	Closure Structures			40.2856	53°	40.285653	٥	
item				-121.2539	02 °	-121.253902	٥	
DWR ID	DWR_NA0	015_60_t _ 201	2_18					
Action/Comments								

No Photos

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	19		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Trash Ral	Trash Rakes			53°	40.285653°	
item					02 °	-121.253902 °	
DWR ID DWR_NA0015_60_t _ 2012_19							
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

\* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 4		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	20		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Other Met	Other Metallic Items		40.28565	3°	40.285653 °	
Item				-121.25390	2 °	-121.253902 °	
DWR ID	DWR_NA0	015_60_t _ 201	5_20				
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating \*\* Issue No. LM Start 0.00 Ν 21 Issue Type + Ма Location \* 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Monolith Joints 40.285653° 40.285653° Item -121.253902 ° -121.253902 ° DWR ID DWR\_NA0015\_60\_t \_ 2012\_21

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating \*\* LM Start 0.00 22 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Safety 40.285653° 40.285653° Item -121.253902° -121.253902 ° DWR\_NA0015\_60\_t \_ 2012\_22 DWR ID Action/Comments

Inspector Comments: The county has safety procedures for working around the structure.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 4		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Operation & Maintenance			40.285653 °		40.285653°	
пеш	Manual Manual			-121.253902 °		-121.253902 °	
DWR ID	DWR ID DWR_NA0015_60_t _ 2013_24						
Action/Comments							
Inspector Comments: The county has copies of the O&M Manual in							

their office.

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

#### Flood Control Project Maintenance

## **Unit Cover Sheet**

#### **2016 Structure Inspection Results**

# **Plumas County**

Structure	
North Fork Feather River Diversion Channel Drop Structure No. 5	

Structure Rating	Α				
Date of Inspection	7/13/2016				
DWR Inspector	Maksim Khashchuk				
Accompanied By	Jay Pettigrew Plumas County Public Works				
	Jerry Blinn Plumas County Public Works				

Page 1 of 9

#### Flood Control Project Maintenance Levee Inspections

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 5		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	23		
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
ltom	Photo Do	Photo Documentation			28°	40.283028 °	
Item				-121.2523	48 °	-121.252348 °	
DWR ID DWR_NA0015_61_t _ 2012_23							
Action/Comments							

Inspector Comments: Spray or remove all vegetation from the channel.

LM Start	0.00	Rating **	N	Issue No.	23 (cont)
I M End	0.00	Issue Type +	Ma	Location *	



View of the drop structure 5, Look towards drop structure 6.

Photo 2 of 2: ST\_2016\_NA0015\_61\_23\_20160729\_00002.jpg



View of the drop structure 5, Look towards drop structure 4.

LM Start	0.00	Rating **	Α	Issue No.		1	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined		GPS Latitude/Longitude				
Calegory	Channels	els		Start		End	
Item	Vegetatio	n & Obstructio	& Obstructions		28°	40.283028	0
item				-121.2523	48 °	-121.252348	0
DWR ID	DWR_NA0	015_61_t _ 201	2_1				
		Action/	'Comme	nts			

Inspector Comments: All vegetation needs to be removed from the drop structure before winter.

No Photos

\* Location

LS: Land Side

WS: Water Side

CR: Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type Ma : Mainte

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 5		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	2		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Itom	Shoaling /	Shoaling / Sedimentation			8 °	40.283028	
пеш	Item			-121.25234	8 °	-121.252348	
DWR ID	DWR_NA0	015_61_t _ 201	2_2				
	Action/Comments						

Inspector Comments: There is no shoaling or sedimentation present.

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels				GPS Latitude/Longitude			
				Start		End	
Item	Erosion /	40.2830	28°	40.283028	0		
пеш				-121.2523	48 °	-121.252348	0
DWR ID	DWR_NA0	015_61_t _ 201	2_3				
Action/Comments							

Inspector Comments: There is no erosion activity present.

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Item	Revetments			40.2830	28°	40.283028 °	
item				-121.2523	48 °	-121.252348 °	
DWR ID	DWR_NA0	015_61_t _ 201	2_4				
Action/Comments							

Inspector Comments: Existing riprap protection is properly maintained.

No Photos

No Photos

No Photos

\* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

#### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 5		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	5		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Category Channels			Start		End	
Itom	Encroach	Encroachments			8°	40.283028 °	
Item	Item			-121.25234	8°	-121.252348 °	
DWR ID	DWR_NA0	015_61_t _ 201	2_5				
	Action/Comments						

Inspector Comments: There are no debris in the channel.

No Photos

Issue No. LM Start 0.00 Rating \*\* Ν Issue Type + Ма Location \* 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Culverts: Inlets / Outlets 40.283028° 40.283028° Item -121.252348° -121.252348 ° DWR ID DWR NA0015 61 t 2012 6

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating \*\* Issue No. LM Start 0.00 7 0.00 Issue Type + Location \* LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Culverts: Breaks / Holes / 40.283028° 40.283028 Item Cracks -121.252348° -121.252348 ° DWR\_NA0015\_61\_t \_ 2012\_7 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

\* Location LS: Land Side WS: Water Side CR: Crown

\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

## **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 5		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	8		
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
ltom	Metal Pipe	Metal Pipes			28°	40.283028 °	
ltem '			-121.2523	48 °	-121.252348 °		
DWR ID	DWR_NA0	015_61_t _ 201	2_8				
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating \*\* Issue No. LM Start 0.00 Ν 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Racks 40.283028 ° 40.283028° Item -121.252348° -121.252348 ° DWR NA0015 61 t 2012 9 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating \*\* LM Start 0.00 Ν 10 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Flap Gates 40.283028° 40.283028 Item -121.252348° -121.252348 ° DWR\_NA0015\_61\_t \_ 2012\_10 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

\* Location LS : Land Side WS : Water Side CR : Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 5		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	11		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
ltom	Sluice/Slic	Sluice/Slide Gates			8°	40.283028 °	
item	Item			-121.25234	8°	-121.252348 °	
DWR ID	DWR_NA0	015_61_t _ 201	2_11				
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. LM Start 0.00 Rating \*\* Ν 12 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Electric Gate Operators 40.283028° 40.283028° Item -121.252348° -121.252348 ° DWR NA0015 61 t 2015 12 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating \*\* LM Start 0.00 Ν 13 0.00 Issue Type + Ma Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Manual Gate Operators 40.283028° 40.283028 Item -121.252348° -121.252348 ° DWR\_NA0015\_61\_t \_ 2012\_13 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

\* Location

LS: Land Side

WS: Water Side

CR: Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

#### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 5		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	14			
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End			
Item	Concrete	Concrete Surfaces			3°	40.283028 °		
пеш				-121.252348	3°	-121.252348 °		
DWR ID	DWR_NA0	015_61_t _ 201	2_14					
	A = 1' = = 10 = = = = = 1 =							

Action/Comments

Inspector Comments: The concrete surface is weathered and rough to the touch.

No Photos

Issue No. LM Start 0.00 Rating \*\* Α 15 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Tilting / Settlement 40.283028° 40.283028° Item -121.252348° -121.252348 ° DWR\_NA0015\_61\_t \_ 2012\_15 DWR ID

Action/Comments

Inspector Comments: No areas of tilting were observed.

No Photos

Rating \*\* Issue No. LM Start 0.00 16 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Concrete Foundations 40.283028° 40.283028 Item -121.252348° -121.252348 ° DWR ID DWR\_NA0015\_61\_t \_ 2012\_16

Action/Comments

Inspector Comments: There is no erosion or undermining near the structure.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

## **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 5		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		17	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Security Fencing			40.28302	8°	40.283028	
Item	m			-121.25234	8°	-121.252348	
DWR ID	R ID DWR_NA0015_61_t _ 2012_17						
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating \*\* Issue No. LM Start 0.00 Ν 18 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Closure Structures 40.283028° 40.283028° Item -121.252348° -121.252348 ° DWR ID DWR\_NA0015\_61\_t \_ 2012\_18

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating \*\* LM Start 0.00 19 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Rakes 40.283028° 40.283028 Item -121.252348° -121.252348 ° DWR\_NA0015\_61\_t \_ 2012\_19 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 5		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		20			
LM End	0.00	Issue Type +	Ma	Location *					
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude					
Calegory	Category Channels					End			
ltom	Other Metallic Items			40.28302	8°	40.283028 °			
пеш	Item				8°	-121.252348 °			
DWR ID	DWR ID DWR_NA0015_61_t _ 2015_20								
		A -4:	A ation (Canada anta						

No Photos

Action/Comments

Inspector Comments: This item does not apply to this inspection.

Rating \*\* Issue No. LM Start 0.00 Ν 21 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Monolith Joints 40.283028° 40.283028° Item -121.252348° -121.252348 ° DWR ID DWR\_NA0015\_61\_t \_ 2012\_21

No Photos

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	Α	Issue No.		22
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start		End	
Safety			40.2830	28°	40.283028 °	
ltem ,				-121.252348° -		-121.252348 °
DWR ID DWR_NA0015_61_t _ 2012_22						
Action/Comments						

No Photos

Inspector Comments: The county has safety procedures for working around the structure.

\* Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 5		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Operation & Maintenance Manual			40.28302	28 °	40.283028 °	
пеш				-121.25234	48 °	-121.252348 °	
DWR ID DWR_NA0015_61_t _ 2013_24							
Action/Comments							
Inspector Comments: The county has copies of the O&M Manual in							

No Photos

\* Location LS: Land Side WS: Water Side CR : Crown

their office.

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

#### Flood Control Project Maintenance

## **Unit Cover Sheet**

#### **2016 Structure Inspection Results**

# **Plumas County**

Structure	
North Fork Feather River Diversion Channel Drop Structure No. 6	

Structure Rating	A
Date of Inspection	7/13/2016
DWR Inspector	Maksim Khashchuk
Accompanied By	Jay Pettigrew Plumas County Public Works
	Jerry Blinn Plumas County Public Works

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 6		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	23	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			ures & Concrete Lined GPS Latitude/Longit		e/Longitude
Channels			Start		End	
Item	Photo Documentation			40.2759	02 °	40.275902°
пеш	item				42 °	-121.248142°
DWR ID DWR_NA0015_62_t _ 2012_23						
Action/Comments						

Inspector Comments: Spray or remove all vegetation from the channel.

07/13/2013

Photo 1 of 2: ST\_2016\_NA0015\_62\_23\_20160729\_00003.jpg

View of drop structure 6, looking towards drop structure 7.

LM Start	0.00	Rating **	N	Issue No.	23 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2: ST\_2016\_NA0015\_62\_23\_20160729\_00002.jpg



View of drop structure 6, looking towards drop structure 5.

LM Start	0.00	Rating **	Α	Issue No.	1	
LM End	0.00	Issue Type +	Ма	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Vegetatio	n & Obstruction	ons	40.27590	)2 °	40.275902°
пеш					42 °	-121.248142 °
DWR ID	DWR_NA0	015_62_t _ 201	2_1			

Action/Comments

Inspector Comments: All vegetation needs to be removed from the drop structure before winter.

No Photos

\* Location

LS: Land Side

WS: Water Side

CR: Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 6		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	2		
LM End	0.00	Issue Type +	Ma	Location *			
Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start End		End	
Item	Shoaling /	Sedimentation	on	40.27590	2 °	40.275902 °	
пеш				-121.24814	2 °	-121.248142 °	
DWR ID	DWR_NA0	015_62_t _ 201	2_2				
			_				

Action/Comments

Inspector Comments: There is no shoaling or sedimentation present.

No Photos

Rating \*\* Issue No. LM Start 0.00 Α 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Erosion / Bank Caving 40.275902° 40.275902° Item -121.248142 ° -121.248142 ° DWR\_NA0015\_62\_t \_ 2012\_3 DWR ID

Action/Comments

Inspector Comments: There is no erosion activity present.

No Photos

Issue No. Rating \*\* LM Start 0.00 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Revetments 40.275902° 40.275902 ° Item -121.248142 ° -121.248142 ° DWR\_NA0015\_62\_t \_ 2012\_4 DWR ID Action/Comments

Inspector Comments: Existing riprap protection is properly maintained.

No Photos

\* Location

LS: Land Side

WS: Water Side

CR: Crown

\*\* Rating
A: Acceptable
M: Minimally Acceptable

U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type Ma : Mainte

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 6		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	5		
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	Channels		Start		End	
Item	Encroach	ments		40.27590	)2 °	40.275902	0
пеш				-121.24814	l2°	-121.248142	0
DWR ID DWR_NA0015_62_t _ 2012_5							
	Action/Comments						

Inspector Comments: There are no debris in the channel.

No Photos

LM Start	0.00	Rating **	N	Issue No.		6		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Calegory	Channels			Start		End		
	Culverts:	Inlets / Outlets	lets / Outlets		2°	40.275902	0	
iteiii	Culverts: Inlets / Outlets   40.275902   -121.248142	2 °	-121.248142	0				
DWR ID	DWR_NA0	015_62_t _ 201	2_6					
			_					

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	N	Issue No.	7			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Category			Start		End			
Item		Breaks / Hole	s/	40.2759	)2°	40.275902	0	
item	Cracks		Start  aks / Holes / 40.275902 ° 40  -121.248142 ° -121	-121.248142	۰			
DWR ID	DWR_NA0	015_62_t _ 201	2_7					
	Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

\* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 6		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	8		
LM End	0.00	Issue Type +	Ma	Location *			
Category		Structures & Concrete Lined			ed GPS Latitude/Longitude		
Calegory	Channels			Start Er		End	
Item	Metal Pipe	es		40.27590	)2 °	40.275902°	
пеш				-121.24814	l2°	-121.248142 °	
DWR ID	DWR_NA0	015_62_t _ 201	2_8				
A :: 10							

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating \*\* Issue No. LM Start 0.00 Ν 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Racks 40.275902° 40.275902° Item -121.248142 ° -121.248142 ° DWR NA0015 62 t 2012 9 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating \*\* LM Start 0.00 Ν 10 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Flap Gates 40.275902° 40.275902° Item -121.248142 ° -121.248142 ° DWR\_NA0015\_62\_t \_ 2012\_10 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

## **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 6		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	11		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Sluice/Sli	de Gates		40.27590	2 °	40.275902 °	
пеш				-121.24814	2 °	-121.248142 °	
DWR ID	DWR_NA0	015_62_t _ 201	2_11				
	A = 1' = = 10 = = = = = 1 =						

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. LM Start 0.00 Rating \*\* Ν 12 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Electric Gate Operators 40.275902° 40.275902° Item -121.248142 ° -121.248142 ° DWR NA0015 62 t 2012 12 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating \*\* LM Start 0.00 Ν 13 0.00 Issue Type + Ma Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Manual Gate Operators 40.275902° 40.275902° Item -121.248142 ° -121.248142 ° DWR\_NA0015\_62\_t \_ 2012\_13 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 6		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		14		
LM End	0.00	Issue Type +	Ма	Location *				
Category		Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End		
Item	Concrete Surfaces		40.27590	2°	40.275902 °			
пеш				-121.24814	2 °	-121.248142 °		
DWR ID DWR_NA0015_62_t _ 2012_14								
	A = 1' = = 10 = = = = = 1 =							

Action/Comments

Inspector Comments: The concrete surface is weathered and rough to the touch.

No Photos

Issue No. LM Start 0.00 Rating \*\* Α 15 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Tilting / Settlement 40.275902° 40.275902° Item -121.248142 ° -121.248142 ° DWR\_NA0015\_62\_t \_ 2012\_15 DWR ID

Action/Comments

Inspector Comments: No areas of tilting were observed.

No Photos

Rating \*\* Issue No. LM Start 0.00 16 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Concrete Foundations 40.275902° 40.275902° Item -121.248142 ° -121.248142 ° DWR ID DWR\_NA0015\_62\_t \_ 2012\_16 Action/Comments

Inspector Comments: There is no erosion or undermining near the structure.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable

M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 6		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Itom	Item Security Fencing			40.27590	)2 °	40.275902 °	
пеш				-121.24814	2°	-121.248142 °	
DWR ID DWR_NA0015_62_t _ 2012_17							
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating \*\* Issue No. LM Start 0.00 Ν 18 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Closure Structures 40.275902° 40.275902° Item -121.248142 ° -121.248142 ° DWR ID DWR\_NA0015\_62\_t \_ 2012\_18

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating \*\* LM Start 0.00 19 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Rakes 40.275902° 40.275902° Item -121.248142 ° -121.248142 ° DWR\_NA0015\_62\_t \_ 2012\_19 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

## **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 6		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		20		
LM End	0.00	Issue Type +	Ма	Location *				
Cotogoni		Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End		
	Item Other Metallic Items			40.27590	2°	40.275902°		
пеш				-121.24814	2°	-121.248142 °		
DWR ID	DWR_NA0	015_62_t _ 201	2_20					

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating \*\* Issue No. LM Start 0.00 Ν 21 Issue Type + Ма Location \* 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Monolith Joints 40.275902° 40.275902° Item -121.248142 ° -121.248142 ° DWR ID DWR NA0015 62 t 2012 21

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating \*\* LM Start 0.00 22 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Safety 40.275902° 40.275902° Item -121.248142 ° -121.248142 ° DWR ID DWR\_NA0015\_62\_t \_ 2012\_22

Action/Comments

Inspector Comments: The county has safety procedures for working around the structure.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

## Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 6		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	Channels				End	
Item	Operation & Maintenance Manual			40.27590	)2 °	40.275902°	
пеш				-121.24814	l2°	-121.248142 °	
DWR ID	DWR ID DWR_NA0015_62_t _ 2013_24						
Action/Comments							
Inspector (	Inspector Comments: The county has copies of the O&M Manual in						

No Photos

\* Location LS: Land Side WS : Water Side CR : Crown

their office.

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

#### Flood Control Project Maintenance

## **Unit Cover Sheet**

#### **2016 Structure Inspection Results**

# **Plumas County**

Structure	
North Fork Feather River Diversion Channel Drop Structure No. 7	

Structure Rating	A
Date of Inspection	7/13/2016
DWR Inspector	Maksim Khashchuk
Accompanied By	Jay Pettigrew Plumas County Public Works
	Jerry Blinn Plumas County Public Works

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 7		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Photo Documentation			40.2725	44 °	40.272544°	
пеш				-121.2461	61 °	-121.246161 °	
DWR ID	DWR_NA0	5_23			·		
Action/Comments							

Inspector Comments: Plumas Co. is removing all vegetation from the channel.

LM Start	0.00	Rating **	N	Issue No.	23 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of drop structure 7, looking back towards the lake.

Photo 2 of 2: ST\_2016\_NA0015\_63\_23\_20160729\_00003.jpg



View of drop structure 7,looking back towards drop structure 6.

LM Start	0.00	Rating **	Α	Issue No.		1	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels	Start		End			
Vegetation & Obstructions			40.2725	44 °	40.272544	0	
item		-121.246161 °		-121.246161	0		
DWR ID	R ID DWR_NA0015_63_t _ 2012_1						

Action/Comments

Inspector Comments: All vegetation needs to be removed from the drop structure before winter.



Plumas Co. is scheduling remova of all vegetation from the channel.

\* Location LS : Land Side WS : Water Side \*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 7		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	2			
LM End	0.00	Issue Type +	Ма	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Calegory	Channels			Start		End		
Shoaling / Sedimentation				40.27254	4°	40.272544°		
пеш				-121.24616	1°	-121.246161 °		
DWR ID	DWR_NA0015_63_t _ 2012_2							
A - 1' 10 1 -								

Action/Comments

Inspector Comments: There is no shoaling or sedimentation present.

No Photos

No Photos

Rating \*\* Issue No. LM Start 0.00 Α Issue Type + 0.00 Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Erosion / Bank Caving 40.272544° 40.272544° Item -121.246161 ° -121.246161° DWR ID DWR\_NA0015\_63\_t \_ 2012\_3

Action/Comments

Inspector Comments: There is no erosion activity present.

LM Start	0.00	Rating **	Α	Issue No.	4	
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Item	Revetmer	Revetments		40.2725	44 °	40.272544°
item			-121.246161 °		-121.246161 °	
DWR ID	DWR_NA0015_63_t _ 2012_4					
Action/Comments						

Inspector Comments: Existing riprap protection is properly maintained.

No Photos

\* Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 7		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	5		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
ltem Encroachments				40.27254	4 °	40.272544 °	
item				-121.24616	1 °	-121.246161 °	
DWR ID	DWR_NA0015_63_t _ 2012_5						
Action/Comments							

Inspector Comments: There are no debris in the channel.

No Photos

Issue No. LM Start 0.00 Rating \*\* Ν Issue Type + Ма Location \* 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Culverts: Inlets / Outlets 40.272544° 40.272544° Item -121.246161° -121.246161 ° DWR ID DWR\_NA0015\_63\_t \_ 2012\_6

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating \*\* LM Start 0.00 7 0.00 Issue Type + Location \* LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Culverts: Breaks / Holes / 40.272544° 40.272544 ° Item Cracks -121.246161 ° -121.246161 ° DWR\_NA0015\_63\_t \_ 2012\_7 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

\* Location LS: Land Side WS: Water Side CR: Crown

A : Accep

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 7		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	8		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	ituc	le/Longitude	
Calegory	Category Channels			Start		End	
Item	Metal Pipe	es		40.27254	4°	40.272544 °	
пеш	item			-121.24616	1°	-121.246161 °	
DWR ID	DWR_NA0015_63_t _ 2012_8						
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating \*\* Issue No. LM Start 0.00 Ν 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Racks 40.272544° 40.272544° Item -121.246161° -121.246161 ° DWR NA0015 63 t 2012 9 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating \*\* LM Start 0.00 Ν 10 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Flap Gates 40.272544° 40.272544 ° Item -121.246161 ° -121.246161 ° DWR\_NA0015\_63\_t \_ 2012\_10 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 7		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	11			
LM End	0.00	Issue Type +	Ma	Location *				
Catagony	Structures & Concrete Lined				GPS Latitude/Longitude			
Category Channels			Start		End			
Item	Sluice/Sli	40.272544	°	40.272544				
пеш				-121.246161	0	-121.246161 <sup>°</sup>		
DWR ID	DWR ID DWR_NA0015_63_t _ 2012_11							
A - 1' 1'O 1 -								

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Rating \*\* Issue No. LM Start 0.00 Ν 12 Issue Type + 0.00 Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Electric Gate Operators 40.272544° 40.272544° Item -121.246161 ° -121.246161° DWR ID DWR\_NA0015\_63\_t \_ 2012\_12

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	13			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Calegory	Channels	Channels			Start			
Item	Manual Gate Operators				4 °	40.272544	0	
item		-121.24616	1 °	-121.246161	0			
DWR ID	DWR_NA0015_63_t _ 2012_13							
Action/Comments								

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 7		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	14			
LM End	0.00	Issue Type +	Ma	Location *				
Catagony	Structures & Concrete Lined				GPS Latitude/Longitude			
Category Channels				Start		End		
Item	Concrete	40.27254	1°	40.272544°				
item				-121.24616 <sup>2</sup>	ı °	-121.246161 °		
DWR ID	DWR_NA0	015_63_t _ 201						
A - 1' 1'O 1 -								

Action/Comments

Inspector Comments: The concrete surface is weathered and rough to the touch.

No Photos

Issue No. LM Start 0.00 Rating \*\* Α 15 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Tilting / Settlement 40.272544° 40.272544° Item -121.246161° -121.246161 ° DWR\_NA0015\_63\_t \_ 2012\_15 DWR ID

Action/Comments

Inspector Comments: No areas of tilting were observed.

No Photos

Rating \*\* Issue No. LM Start 0.00 16 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Concrete Foundations 40.272544° 40.272544 ° Item -121.246161 ° -121.246161 ° DWR ID DWR\_NA0015\_63\_t \_ 2012\_16 Action/Comments

Inspector Comments: There is no erosion or undermining near the structure.

No Photos

\* Location LS: Land Side WS: Water Side CR: Crown

\* Rating

A: Acceptable

M: Minimally Acceptable

U: Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

#### Levee Inspection Report By Mile - Structure 2016

### **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 7		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	17		
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels				GPS Latitude/Longitude			
Calegory			Start		End		
Item	Security F	encing		40.27254	4°	40.272544°	
пеш				-121.24616	ı1°	-121.246161 °	
DWR ID	DWR_NA0	WR_NA0015_63_t _ 2012_17					
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

Rating \*\* Issue No. LM Start 0.00 Ν 18 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Closure Structures 40.272544° 40.272544° Item -121.246161° -121.246161 °

DWR ID DWR\_NA0015\_63\_t \_ 2012\_18

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Issue No. Rating \*\* LM Start 0.00 19 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Rakes 40.272544° 40.272544 ° Item -121.246161 ° -121.246161 ° DWR\_NA0015\_63\_t \_ 2012\_19 DWR ID

Action/Comments
Inspector Comments: This item does not apply to this inspection.

No Photos

\* Location LS : Land Side WS : Water Side CR : Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 7		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	20			
LM End	0.00	Issue Type +	Ма	Location *				
Catagony	Structures & Concrete Lined				GPS Latitude/Longitude			
Category Channels				Start		End		
Item	Other Met	40.27254	1°	40.272544	0			
item				-121.24616	ı°	-121.246161	0	
DWR ID	DWR_NA0	015_63_t _ 201						
A - 1' 1'O 1 -								

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Rating \*\* Issue No. LM Start 0.00 Ν 21 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Monolith Joints 40.272544° 40.272544° Item -121.246161 ° -121.246161° DWR ID DWR\_NA0015\_63\_t \_ 2012\_21

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	Α	Issue No.	22		
LM End	0.00	Issue Type +	Ma	Location *			
Catagory	s & Concrete I	GPS Latitude/Longitude					
Category Channels			Start		End		
Item	Safety				4 °	40.272544°	
пеш				-121.24616	1°	-121.246161 °	
DWR ID	DWR_NA0015_63_t _ 2012_22						
Action/Comments							

Inspector Comments: The county has safety procedures for working around the structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 7		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item		Operation & Maintenance Manual			44 °	40.272544°	
пеш	Manual				61 °	-121.246161 °	
DWR ID	DWR ID DWR_NA0015_63_t _ 2013_24						
Action/Comments							
Inspector Comments: The county has copies of the O&M Manual in							

No Photos

\* Location LS: Land Side WS: Water Side CR : Crown

their office.

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

#### Flood Control Project Maintenance

### **Unit Cover Sheet**

#### **2016 Structure Inspection Results**

# **Plumas County**

Structure	
North Fork Feather River Diversion Structure	

Structure Rating	A
Date of Inspection	7/13/2016
DWR Inspector	Maksim Khashchuk
Accompanied By	Jay Pettigrew Plumas County Public Works
	Jerry Blinn Plumas County Public Works

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Structure		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start		Rating **	N	Issue No.		23
LM End		Issue Type +	Ma	Location *		
Category		& Concrete I	_ined	GPS La	atitud	e/Longitude
Calegory	Channels	Channels				End
Item	Photo Documentation			40.3028	34°	40.302834 °
пеш	•			-121.2619	01 °	-121.261901 °
DWR ID DWR_NA0015_37_t _ 2012_23						
		Action/	Comme	nts		

Photo 1 of 2: S	T_2016_NA001	5_37_23_2016	60615_00007.jpg
	أمالأشش بدر	WAL	W. W.
		12.59	
			07/14/2015:

View of the dam and structure. 2015

LM Start	Rating **	N	Issue No.	23 (cont)
LM End	Issue Type +	Ma	Location *	

Photo 2 of 2: ST\_2016\_NA0015\_37\_23\_20160729\_00012.jpg



View of the dam intake and debris diversion structure.

LM Start	0.00	Rating **	Α	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			oncrete Lined GPS Lat		
Calegory				Start		End
Item	Vegetation & Obstructions		40.30283	84 °	40.302834 °	
пеш				-121.26190	)1 °	-121.261901 °
DWR ID	DWR_NA0	015_37_t _ 201	2_1			

Action/Comments

Inspector Comments: Remove all vegetation from the face of the dam area before winter.



View of the outfall structure and slope of the dam.

\* Location LS: Land Side WS: Water Side CR: Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Structure		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	2			
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitud				
Calegory				Start		End		
Item	Shoaling /	Shoaling / Sedimentation		40.30283	4 °	40.302834 °		
пеш				-121.26190	1°	-121.261901 °		
DWR ID	DWR_NA0	015_37_t _ 201	2_2					
	A stian/Commants							

Action/Comments

Inspector Comments: Remove the sediment as needed.

No Photos

Rating \*\* Issue No. LM Start 0.00 Α 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Erosion / Bank Caving 40.302834° 40.302834° Item -121.261901° -121.261901 ° DWR\_NA0015\_37\_t \_ 2012\_3 DWR ID

Action/Comments

Inspector Comments: There is no active erosion at this structure.

No Photos

Issue No. Rating \*\* LM Start 0.00 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Revetments 40.302834° 40.302834 Item -121.261901 ° -121.261901° DWR\_NA0015\_37\_t \_ 2012\_4 DWR ID Action/Comments

Inspector Comments: Existing riprap protection is properly maintained.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Structure		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	5		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	Channels				End	
Item	Encroach	ments		40.3028	34°	40.302834°	
item					01 °	-121.261901 °	
DWR ID	/R ID DWR_NA0015_37_t _ 2012_5					·	
Action/Comments							

Inspector Comments: Plumas Co removed all debris this spring.

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the debris diversion structure at the intake.

Photo 2 of 2: ST\_2016\_NA0015\_37\_5\_20160615\_00002.jpg



Plumas Co. removed all debris from around the structure.

LM Start	0.00	Rating **	Α	Issue No.		6
LM End	0.00	Issue Type +	Ма	Location *		
Catagony	Structures & Concrete Lined			GPS La	atitud	le/Longitude
Category Channels			Start		End	
Item	Culverts: Inlets / Outlets			40.3028	34°	40.302834
пеш						-121.261901
DWR ID	DWR_NA0	015_37_t _ 201	2_6			
		Action/	Comme	nts		
Inspector (	Comments	: Remove the	debris f	rom inlet.		

No Photos

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Structure		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	7			
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined			GPS La	titud	ude/Longitude		
Calegory	Channels	annels		Start		End		
Item		Breaks / Hole	s/	40.3028	34 °	40.302834	0	
пеш	Cracks			-121.2619	01 °	-121.261901	0	
DWR ID	DWR_NA0	015_37_t _ 201	2_7					
		A - 1' 1	0	-4-				

Action/Comments

Inspector Comments: Inspect the concrete tubes each year for cracking and leaks.

No Photos

Rating \*\* Issue No. LM Start 0.00 Ν 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Metal Pipes 40.302834° 40.302834° Item -121.261901° -121.261901° DWR ID DWR\_NA0015\_37\_t \_ 2012\_8

Action/Comments

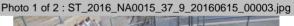
Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		9		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS Lati	tud	e/Longitude			
Category	Channels		Start		End			
Item	Trash Rad	cks		40.302834	۱°	40.302834°		
пеш			-121.261901	0	-121.261901 °			
DWR ID	DWR_NA0	015_37_t _ 201	2_9					
	A stick of Common and a							

Action/Comments

Inspector Comments: The debris has been removed from the trash rack.





Plumas Co. removed all debris from the trash rack.

Location LS: Land Side WS: Water Side

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Structure		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	9 (cont)		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Trash Rad	cks		40.3028	34°	40.302834°	
пеш				-121.2619	01 °	-121.261901 °	
DWR ID	DWR_NA0015_37_t _ 2012_9						
	Action/Comments						

Inspector Comments: The debris has been removed from the trash rack.



View of the clean trash rack.

LM Start	0.00	Rating **	N	Issue No.		10		
LM End	0.00	Issue Type +	Ma	Location *				
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Flap Gate	S		40.3028	34°	40.302834°		
пеш					01 °	-121.261901 °		
DWR ID	DWR_NA0	015_37_t _ 201	2_10					
	A attitude 10 a service atta							

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	11		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Sluice/Slice	de Gates		40.30283	4 °	40.302834	0
пеш				-121.26190	1 °	-121.261901	0
DWR ID	DWR_NA0	015_37_t _ 201	2_11				

Action/Comments

Inspector Comments: Slide gates appear to be in good working condition.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Structure		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	12	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels	Channels				End
Item	Electric G	ate Operators	;	40.3028	34°	40.302834°
item				-121.2619	01 °	-121.261901 °
DWR ID	R ID DWR_NA0015_37_t _ 2012_12					
	Action/Comments					

Inspector Comments: This item does not apply to this inspection.



Gauging house on top of the dam, use discontinued due to vandalism.

LM Start	0.00	Rating **	Α	Issue No.		13
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
				Start		End
Itom	Item Manual Gate Operators			40.3028	34°	40.302834
item				-121.2619	01 °	-121.261901
DWR ID DWR_NA0015_37_t _ 2012_13						
Action/Comments						

Inspector Comments: Manual gate operator appears to be working as intended.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category Channels		Start		End			
Itom	Concrete Surfaces			40.3028	34°	40.302834	0
Item				-121.2619	01 °	-121.261901	0
DWR ID DWR_NA0015_37_t _ 2012_14							
Action/Comments							

Inspector Comments: There is minor spalling and cracking that Plumas County repaired.

No Photos

\* Location LS: Land Side WS: Water Side CR: Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Structure		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	15		
LM End	0.00	Issue Type +	Ма	Location *			
Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels			Start		End		
Item	Concrete	Concrete Tilting / Settlement			4°	40.302834	0
iteiii				-121.26190	1°	-121.261901	0
DWR ID	DWR_NA0	015_37_t _ 201	2_15				
			_				

Action/Comments

Inspector Comments: There are no significant areas of tilting.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		16		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Calegory	Channels			Start		End		
Item	Concrete	Foundations		40.30283	84 °	40.302834 °		
пеш				-121.26190	)1 °	-121.261901 °		
DWR ID DWR_NA0015_37_t _ 2012_16								

Action/Comments

Inspector Comments: There is minimal surface cracking along the south wall of the fish ladder.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	17		
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Itom	Item Security Fencing			40.3028	34°	40.302834	0
пеш				-121.2619	01 °	-121.261901	0
DWR ID DWR_NA0015_37_t _ 2012_17							
Action/Comments							

Inspector Comments: Safety / security fence is in good condition.

07/13/2016

Photo 1 of 1: ST\_2016\_NA0015\_37\_17\_20160729\_00013.jpg

View of the security fencing around the outfall.

Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Structure		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	18			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Calegory	Category Channels		Start		End			
Item	Closure Structures			40.30283	4 °	40.302834	0	
пеш				-121.26190	1°	-121.261901	0	
DWR ID	DWR_NA0	015_37_t _ 201	2_18					

Action/Comments

Inspector Comments: It appears the closure structure is in good condition. Make sure the flash board drop structures properly seal the front of the structure each year.

No Photos

Issue No. LM Start 0.00 Rating \*\* Ν 19 Issue Type + Ма Location \* 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Rakes 40.302834° 40.302834° Item -121.261901° -121.261901 ° DWR\_NA0015\_37\_t \_ 2012\_19 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating \*\* LM Start 0.00 Ν 20 0.00 Issue Type + Location \* I M End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Other Metallic Items 40.302834° 40.302834 Item -121.261901 ° -121.261901 ° DWR ID DWR\_NA0015\_37\_t \_ 2012\_20 Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

#### Levee Inspection Report By Mile - Structure 2016

# **Plumas County**

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Structure		07/13/2016 07/13/2016	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	21		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Category Channels			Start		End	
ltom	Monolith Joints			40.30283	4 °	40.302834°	
пеш	Item		-121.26190	1 °	-121.261901°		
DWR ID DWR_NA0015_37_t _ 2012_21							
		A -4:	C	-1-			

Start End

Action/Comments

Inspector Comments: The mortar joints need to be checked each year.

Rating \*\* Issue No. LM Start 0.00 Α 22 Issue Type + Ма Location \* 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Safety 40.302834° 40.302834° Item -121.261901° -121.261901 ° DWR NA0015 37 t 2012 22 DWR ID

Action/Comments

Inspector Comments: Plumas Co. has safety procedures for working around the structure.

No Photos

No Photos

Issue No. Rating \*\* LM Start 0.00 24 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Operation & Maintenance 40.302834° 40.302834 Item Manual -121.261901 ° -121.261901 ° DWR\_NA0015\_37\_t \_ 2013\_24 DWR ID Action/Comments

Inspector Comments: The county has copies of the O&M Manual in their office.

No Photos

\* Location
LS: Land Side
WS: Water Side
CR: Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence